

AIR TURBINE STARTER HAVING A LOW DIFFERENTIAL CHECK
VALVE

ABSTRACT OF THE DISCLOSURE

An air turbine starter is provided that includes a check valve assembly. The check valve assembly comprises a valve body, a valve seat and a valve element. The valve body includes an inlet port, an outlet port, and a flow passage extending therebetween. The valve seat is coupled to the valve body, extends at least partially into the flow passage and has an opening therethrough. The valve element is disposed within the flow passage between the valve seat and the valve body outlet port. The valve element is also configured to translate axially between an open position and a closed position in response to a pressure differential between the inlet and outlet ports.